

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An electromagnetic transducer having, in combination,
permanent magnet means forming a flux field extending in a direction between
opposing pole faces across a working gap,

an electrical signal coil,

an elongate armature supported at one end thereof, extending through said coil
and having its other end extending into said gap, said other end being vibratory in said
direction ~~and~~, said other end having surfaces respectively opposing said pole faces and
joined by a pair of lateral edges, said surfaces being joined by a lateral edge, and

a first snubber secured in relation to the permanent magnet means and having a
snubbing surface extending in said direction, said snubbing surface having a
predetermined clearance from said lateral edge of the armature normal to said direction,
having a pair of surfaces respectively oriented to limit deflections of said other end in
both directions parallel to the direction of the flux field, and

a second snubber having portions thereof affixed to the permanent magnet means,
said portions having a pair of surfaces respectively forming predetermined clearances
from said pair of lateral edges to limit deflections of said other end of the armature in
both directions perpendicular to the direction of the flux field.

Claim 2 (original): A transducer according to claim 1, wherein said one end of the
armature comprises an outer arm extending from the permanent magnet means generally
parallel to said other end, and a connecting portion integral with and connecting between
said ends.

Claim 3 (currently amended): A transducer according to claim 1, wherein the second snubber comprises ~~at least one~~ filler ~~piece~~ pieces respectively attached to the permanent magnet means in position to form said ~~clearance~~ clearances.

Claim 4 (currently amended): A transducer according to claim 3, wherein the permanent magnet means comprise a magnet strap and a pair of permanent magnets attached to the strap, the filler ~~piece~~ pieces being attached to said strap.

Claim 5 (currently amended): A transducer according to claim 4, wherein the magnet strap forms a closed loop, the second snubber comprising two said filler pieces in facing relation secured to and within said loop.

Claim 6 (currently amended): A transducer according to claim 4, wherein the filler ~~piece~~ pieces extends extend between the strap and sides of the magnets for locating the magnets within the strap when being attached thereto.

Claim 7 (currently amended): A transducer according to claim 1, wherein the second snubber comprises a unitary member attached to the permanent magnet means and having spaced, mutually facing parallel snubbing surfaces with the armature extending therebetween.

Claim 8 (original): A transducer according to claim 7, wherein the permanent magnet means comprise a magnet strap and a pair of permanent magnets attached to the strap, said unitary member being attached to the magnet strap.

Claim 9 (previously presented): A transducer according to claim 8, in which the unitary member has a plastically deformable attachment to the magnet strap for preliminary rotational adjustment of said parallel surfaces about an axis normal to said direction.

Claim 10 (previously presented): A transducer according to claim 9, in which the unitary member has rigid attachments to the magnet strap in the vicinities of said parallel surfaces.

Claim 11 (currently amended): A transducer according to claim 1, including
a diaphragm drive pin extending from said other end of the armature and
vibratory thereby in ~~said~~ the direction of the flux field.